

PATENT COOPERATION TREATY

of INTERNATIONAL SEARCHING AUTHORITY

PCT

MICROSOFT CORPORATION

Attn - Virginia Coggan (vcoggan) I.C.A. - International Patent
Department One Microsoft Way - 8/1188 Redmond
Washington 98052-6399 USA

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference

325993-02

International application No.

PCT/US2010/021888

Applicant

MICROSOFT CORPORATION

Date of mailing
(day/month/year) 02 SEPTEMBER 2010 (02.09.2010)

FOR FURTHER ACTION See paragraphs 1 and 4 below

International filing date
(day/month/year)

22 JANUARY 2010 (22.01.2010)

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.
Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46).
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 - 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the PCT Applicant's Guide, National Chapters.

Name and mailing address of the ISA/KR



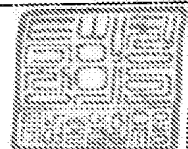
Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

COMMISSIONER

Telephone No. 82-42-481-8754



* Attention

Copies of the documents cited in the international search report can be searched in the following Korean Intellectual Property Office English website for three months from the date of mailing of the international search report.

<http://www.kipo.go.kr/en/> => Patent Search => PCT-Service

ID : PCT international application number

PW : E8YDI5VL

Inquiries related to PCT International Search Report or Written Opinion prepared by KIPO as an International Searching Authority can be answered not only by KIPO but also through IPKC (Intellectual Property Korea Center), located in Vienna, VA, which functions as a PCT Help Desk for PCT applicants.

Homepage: <http://www.ipkcenter.com>

Email: ipkc@ipkcenter.com

Phone: +1 703 388 1066

Fax: +1 703 388 1084

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 325993-02	FOR FURTHER ACTION <div style="text-align: right;">see Form PCT/ISA/220 as well as, where applicable, item 5 below.</div>	
International application No. PCT/US2010/021888	International filing date (day/month/year) 22 JANUARY 2010 (22.01.2010)	(Earliest) Priority Date (day/month/year) 17 FEBRUARY 2009 (17.02.2009)
Applicant MICROSOFT CORPORATION		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed

☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (See Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 10

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/021888**A. CLASSIFICATION OF SUBJECT MATTER****G06F 3/048(2006.01)i, G06F 3/14(2006.01)i, G06F 9/44(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 3/048, G06F 17/00, G06F 17/30, G06F 3/00, G06F 9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(RIPO internal) & Keywords: "user interface, functionality, tab, application, task, and similar terms"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2008-121718 A1 (AVERY DENNISON CORPORATION et al.) 09 October 2008 See Summary of the invention: Figures 1-2; Paragraphs [0034]-[0039]	1-15
A	US 2008-005686 A1 (MONA SINGH) 03 January 2008 See Summary of the invention: Figures 2-4; Paragraphs [0049]-[0051]	1-15
A	US 2007-0055943 A1 (MICHAEL J. MCCORMACK et al.) 08 March 2007 See Summary of the invention: Figures 3-7, 19; Paragraphs [0047], [0051]-[0060]	1-15
A	US 2006-0036965 A1 (JENSEN M. HARRIS et al.) 16 February 2006 See Summary of the invention: Figures 2-4; Paragraphs [0027]-[0031]	1-15

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

31 AUGUST 2010 (31.08.2010)

Date of mailing of the international search report

02 SEPTEMBER 2010 (02.09.2010)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-
gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

JEONG, Jae Woo

Telephone No. 82-42-481-5718



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/021888

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2008-121718 A1	09.10.2008	AR 067297 A1 AU 2008-232738 A1 CA 2682263 A1 EP 2132653 A1 US 2008-244440 A1	07.10.2009 09.10.2008 09.10.2008 16.12.2009 02.10.2008
US 2008-0005686 A1	03.01.2008	None	
US 2007-0055943 A1	08.03.2007	CN 101278252 A EP 1922604 A2 JP 2009-507311 A JP 2009-507311 T KR 10-2008-0041234 A WO 2007-030696 A2	01.10.2008 21.05.2008 19.02.2009 19.02.2009 09.05.2008 15.03.2007
US 2006-0036965 A1	16.02.2006	AU 2005-203409 A1 AU 2005-203410 A1 AU 2005-203411 A1 AU 2005-203412 A1 BR P10506081 A CA 2512036 A1 CA 2512047 A1 CA 2512102 A1 CA 2512155 A1 CN 100472417 C CN 100517196 C CN 100590593 C CN 101604243 A CN 1790242 A CN 1790243 A CN 1790244 A CN 1790258 A EP 1628197 A2 EP 1628198 A2 EP 1628199 A2 EP 1637986 A2 JP 2006-059358 A JP 2006-059359 A JP 2006-059360 A JP 2006-059361 A KR 10-2006-0046555 A KR 10-2006-0046735 A KR 10-2006-0046739 A KR 10-2006-0046753 A US 2006-0036945 A1 US 2006-0036950 A1 US 2006-0036964 A1 US 7703036 B2	02.03.2006 02.03.2006 02.03.2006 02.03.2006 23.05.2006 16.02.2006 16.02.2006 16.02.2006 16.02.2006 25.03.2009 22.07.2009 17.02.2010 16.12.2009 21.06.2006 21.06.2006 21.06.2006 21.06.2006 21.06.2006 22.02.2006 22.02.2006 22.02.2006 22.02.2006 22.03.2006 02.03.2006 02.03.2006 02.03.2006 02.03.2006 17.05.2006 17.05.2006 17.05.2006 17.05.2006 16.02.2006 16.02.2006 16.02.2006 20.04.2010

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
MICROSOFT CORPORATION

Attn - Virginia Coggan (vcoggan) LCA - International Patent
Department One Microsoft Way - 8/1188 Redmond
Washington 98052-6399 USA

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year) **02 SEPTEMBER 2010 (02.09.2010)**

Applicant's or agent's file reference
325993-02

FOR FURTHER ACTION

See paragraph 2 below

International application No.
PCT/US2010/021888

International filing date (day/month/year)
22 JANUARY 2010 (22.01.2010)

Priority date(day/month/year)
17 FEBRUARY 2009 (17.02.2009)

International Patent Classification (IPC) or both national classification and IPC

G06F 3/048(2006.01)H, G06F 3/14(2006.01)H, G06F 9/44(2006.01)H

Applicant

MICROSOFT CORPORATION

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR
Korean Intellectual Property Office
Government Complex-Daejeon, 139
Seonsa-ro, Seo-gu, Daejeon 302
-701, Republic of Korea
Facsimile No. 82-42-472-7140

Date of completion of this opinion
31 AUGUST 2010 (31.08.2010)

Authorized officer

JEONG, Jae Woo

Telephone No. 82-42-481-5718



WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US2010/021888

Box No. 1 Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed
 - ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))
2. ☐ This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of:
 - a. a sequence listing filed or furnished
 - ☐ on paper
 - ☐ in electronic form
 - b. time of filing or furnishing
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in electronic form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2010/021888

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-15	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	1-15	YES
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims	NONE	NO

2. Citations and explanations :

Reference is made to the following documents:

D1: WO 2008-121718 A1 (AVERY DENNISON CORPORATION et al.) 09 October 2008

D1 discloses A ribbon-style user interface for a software application capable of generating a printable electronic document, which comprises a plurality of tabs arranged in a stacked configuration, and a plurality of functionality controls displayed on each of the plurality of tabs, wherein a grouping of the plurality of functionality controls directly relates to the regulation of the active template parameters attributed to the printable electronic document.

1. Novelty and Inventive Step

Claim 1

Claim 1 of the present invention relates to a method for providing functionality from a software application via an improved user interface, which comprises providing a plurality of functionalities available from the software application, organizing the plurality of functionalities according to one or more tasks that may be performed with the software application, providing in the user interface a user interface tab for each of the one or more tasks, displaying in the user interface a first functionality control section containing one or more controls for selecting one or more functionalities organized under a task associated with the selected first user interface tab, and determining if display space is available within the user interface to display controls for one or more functionalities organized under a task associated with a subsequently selected user interface tab in addition to displayed controls for one or more functionalities organized under a task associated with the first selected user interface tab,

Claim 1 of the present invention and document D1 that is the closest prior art to the present invention, relate to the same subject matter of the user interface for a software application. However, D1 does not disclose determining if display space is available within the user interface to display controls for one or more functionalities organized under a task associated with a subsequently selected user interface tab, which is the key technical feature of claim 1. Therefore, the invention of claim 1 is considered to be novel under PCT Article 33(2).

(Continued on Supplemental Box)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US2010/021888

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of :

Box No. V

Moreover, the technical feature of claim 1, determining if display space is available within the user interface to display controls for one or more functionalities organized under a task associated with a subsequently selected user interface tab on receiving an indication of a subsequent selection of an alternate user interface tab, is not obvious to a person skilled in the art and is not suggested in any of the prior arts. Therefore, the invention of claim 1 is considered to fulfill the requirement of inventive step under PCT Article 33(3).

Claims 12 and 14

Claims 12 and 14 of the present invention relate a computer readable medium containing computer executable instructions for providing functionality from a software application via an improved user interface, each of which adopts the same subject matter as the method invention of claim 1. Therefore, the inventions of claims 12 and 14 are also considered to fulfill the requirements of novelty and inventive step under PCT Article 33(2) and (3).

Claims 2-11, 13 and 15

Claims 2-11, 13 and 15, which are dependent directly or indirectly on claims 1, 12 and 14, respectively, are also considered to fulfill the requirements of novelty and inventive step under PCT Article 33(2) and (3).

2. Industrial Applicability

The present invention is industrially applicable under PCT Article 33(4).